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**Spurling, Norman**

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**From:** Miller, Robert  
**Sent:** Tuesday, June 24, 2014 6:24 AM  
**To:** Spurling, Norman  
**Cc:** Panger, Melissa  
**Subject:** FW: Loss report for San Joaquin kit fox in Kern County  
**Attachments:** P2807.pdf

Attached is a new rodenticide incident.

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**From:** McMillin, Stella@Wildlife [mailto:Stella.McMillin@wildlife.ca.gov]  
**Sent:** Monday, June 23, 2014 5:26 PM  
**To:** County Ag Commissioner, Kern; Daniels, Debbie@CDPR; Bireley, Richard@CDPR; Kratville, David@CDFA; Miller, Robert  
**Subject:** Loss report for San Joaquin kit fox in Kern County

Hello, Please find attached a loss report for a San Joaquin kit fox in Kern County. If you have any questions, please contact me.

Thanks,

*Stella*

Stella McMillin  
Senior Environmental Scientist  
California Department of Fish and Wildlife  
Wildlife Investigations Laboratory  
1701 Nimbus Road  
Rancho Cordova, CA 95670  
Office 916-358-2954  
Cell 916-531-9683



**DEPARTMENT OF FISH AND WILDLIFE  
WILDLIFE BRANCH  
WILDLIFE INVESTIGATIONS LABORATORY  
PESTICIDE INVESTIGATIONS  
1701 NIMBUS ROAD  
RANCHO CORDOVA, CA 95670  
PHONE (916) 358-2954**

**Lab Number P-2807  
Necropsy Number N14-140  
CAHFS Number D1404734**

**Date of loss: April 18, 2014  
Sample: San Joaquin kit fox  
*Vulpes macrotis mutica*  
Listing status: Federally endangered,  
State threatened**

**To: Ruben Arroyo,  
Kern County Agricultural Commissioner**

**Report Date: June 23, 2014**

**Remarks**

Investigation of a loss of a San Joaquin kit fox in Bakersfield.

**Background**

A San Joaquin kit fox pup was found moribund in a storm drain on April 18, 2014 and was brought to the California Living Museum. It displayed neurological symptoms, did not respond to treatment, and was euthanized. The carcass was submitted to DFW Wildlife Investigations Laboratory to determine cause of death.

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**RESULTS OF EXAMINATION**

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The fox was submitted to the California Animal Health and Food Safety Laboratory in Davis for necropsy. The necropsy was performed on April 22, 2014. It was found to be male pup with scant body fat. Tests were performed for strychnine and bromethalin to determine if exposure to either of these pesticides was responsible for the neurological signs. Both tests were negative. Tests for rabies, enteric Salmonella, and canine distemper virus were also negative. A trace of brodifacoum was detected in the liver, indicating non-target exposure. Vascular thrombosis associated with vasculitis was a possible cause of neurological signs, but the cause of the vasculitis was not determined.

**WILDLIFE INVESTIGATIONS LABORATORY**

*Stella McMillin*

**Stella McMillin, Senior Environmental Scientist  
Wildlife Investigations Laboratory**

Approved



**Steve Torres, Program Manager,  
Wildlife Investigations Laboratory**

**Cc:**

**Rich Bireley,  
DPR Registration**

**Dr. Debbie Daniels,  
DPR Registration**

**David Kratville,  
CDFA**

**Robert Miller,  
USEPA**